

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

PAS

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
GA	BPH -911031MD N/M	NEW 105.5MHZ	STEVEN L. GRADICK BOWDON GA	CP FOR NEW FM ON: FREQUENCY: 105.5 MHZ., ERP: 6.0 KW (H&V)) HAAT: 100 METERS (H&V) 33 28 06 85 18 30

LICENSE EXPIRATION DATE _____

Patrice Scott
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT() CONSTRUCTION DATES, START _____ END _____
CONTESTED () UNCONTESTED ()

DOCKET FILE COPY ORIGINAL

APPROVED _____

FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

90-36 WW

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

For COMMISSION Fee Use Only:	FEE NO:	For APPLICANT Fee Use Only
	FEE TYPE:	Is a fee submitted with this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	FEE AMT:	If fee exempt (see 47 C.F.R. Section 1.1112), indicate reason therefor (check one box): <input type="checkbox"/> Noncommercial educational licensee <input type="checkbox"/> Governmental entity
	ID SEQ:	FOR COMMISSION USE ONLY FILE NO. <i>BPH-911031MD</i>

Section I - GENERAL INFORMATION

1. Name of Applicant STEVEN L. GRADICK			Send notices and communications to the following person at the address below: Name Audrey P. Rasmussen, Esq. O'Connor & Hannan		
Street Address or P.O. Box P.O. Box 32			Street Address or P.O. Box 1919 Pennsylvania Ave., N.W., Suite 800		
City Fruithurst	State AL	ZIP Code 36262	City Washington, D.C.	State	ZIP Code 20006
Telephone No. (Include Area Code) (404) 234-7730			Telephone No. (Include Area Code) (202) 887-1431		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 288A 105.5	(b) Principal Community	City Bowdon	State GA
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(c) Check one of the following boxes:

☒ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: _____

☐ MINOR change in licensed facilities; call sign: _____

☐ MAJOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ AMENDMENT to pending application; Application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:

C	105.5MHZ	
BPH	-911031MD NEW	State
BOWDON	GA	
STEVEN L. GRADICK		

DOCKET FILE COPY ORIGINAL

Section II - LEGAL QUALIFICATIONS

Name of Applicant

STEVEN L. GRADICK

1. Applicant is: (check one box below)

☒ Individual☐ General partnership☐ For-profit corporation☐ Other☐ Limited partnership☐ Not-for-profit corporation

2. If the applicant is an unincorporated association or a legal entity other than an individual, partnership, or corporation, describe in an Exhibit the nature of the application.

Exhibit No.
DNA

NOTE: The terms "applicant," "parties to this application," and "non-party equity owners in the applicant" are defined in the instructions for Section II of this form. Complete information as to each "party to this application" and each "non-party equity owner in the applicant" is required. If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.

3. If the applicant is not an individual, provide the date and place of filing of the applicant's enabling charter (e.g. a limited partnership must identify its certificate of limited partnership and a corporation must identify its articles of incorporation by date and place of filing):

Date _____ Place _____

In the event there is no requirement that the enabling charter be filed with the state, the applicant shall include the enabling charter in the applicant's public inspection file. If, in the case of a partnership, the enabling charter does not include the partnership agreement itself, the applicant shall include a copy of the agreement in the applicant's public inspection file.

4. Are there any documents, instruments, contracts or understandings (written or oral), other than instruments identified in response to Question 3 above, relating to future ownership interests in the applicant, including but not limited to, insulated limited partnership shares, nonvoting stock interests, beneficial stock ownership interests, options, rights of first refusal, or debentures?

☐ Yes ☒ No

If Yes, submit as an Exhibit all such written documents, instruments, contracts, or understandings, and provide the particulars of any oral agreement.

Exhibit No.
DNA

5. Complete, if applicable, the following certifications:

(a) Applicant certifies that no limited partner will be involved in any material respect in the management or operation of the proposed station.

N/A
☐ Yes ☐ No

If No, applicant must complete Question 6 below with respect to all limited partners actively involved in the media activities of the partnership.

(b) Does any investment company (as defined in 15 U.S.C. Section 80 a-3), insurance company, or trust department of any bank have an aggregated holding of greater than 5% but less than 10% of the outstanding votes of the applicant?

☐ Yes ☒ No

If Yes, applicant certifies that the entity holding such interest exercises no influence or control over the applicant, directly or indirectly, and has no representatives among the officers and directors of the applicant.

N/A
☐ Yes ☐ No

Section 11 - LEGAL QUALIFICATIONS (Page 2)

6. List the applicant, parties to the application and non-party equity owners in the applicant. Use one column for each individual or entity. Attach additional pages if necessary.

(Read carefully - The numbered items below refer to line numbers in the following table.)

1. Name and residence of the applicant and, if applicable, its officers, directors, stockholders, or partners (if other than individual also show name, address and citizenship of natural person authorized to vote the stock). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and partners.
2. Citizenship.
3. Office or directorship held.
4. Number of shares or nature of partnership interests.
5. Number of votes.
6. Percentage of votes.
7. Other existing attributable interests in any broadcast station, including the nature and size of such interests.
8. All other ownership interests of 5% or more (whether or not attributable), as well as any corporate officership or directorship, in broadcast, cable, or newspaper entities in the same market or with overlapping signals in the same broadcast service, as described in 47 C.F.R. Section 73.3555 and 73.501, including the nature and size of such interests and the positions held.

1.	Steven L. Gradick 12 First Avenue West Fruithurst, AL 36262		
2.	USA		
3.	---		
4.	---		
5.	---		
6.	100%		
7.	See Exhibit No. 1		
8.	See Exhibit No. 1		

Section 11 - LEGAL QUALIFICATIONS (Page 3)

7. Does the applicant, any party to the application or any non-party equity owner in the applicant have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission?

☒ Yes ☐ No

(b) a broadcast application which has been dismissed with prejudice by the Commission?

☒ Yes ☐ No

(c) a broadcast application which has been denied by the Commission?

☐ Yes ☒ No

(d) a broadcast station, the license of which has been revoked?

☐ Yes ☒ No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

☐ Yes ☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.
1

(1) Name of party having interest;

(2) Nature of interest or connection, giving dates;

(3) Call letters of stations or file number of application or docket; and

(4) Location.

8. (a) Are any of the parties to the application or non-party equity owners in the applicant related (as husband, wife, father, mother, brother, sister, son or daughter) to each other?

☐ N/A ☐ Yes ☐ No

(b) Does any member of the immediate family (i.e. husband, wife, father, mother, brother, sister, son or daughter) of any party to the application or non-party equity owner in the applicant have any interest in or connection with any other broadcast station, pending broadcast application or newspaper in the same area (see Section 73.3555(c)) or, in the case of a television station applicant only, a cable television system in the same area (see Section 76.501(a))?

☒ Yes ☐ No

If the answer to (a) or (b) above is Yes, attach an Exhibit giving full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station.

Exhibit No.
2

9. State in an Exhibit any interest the applicant or any party to this application proposes to divest in the event of a grant of this application.

Exhibit No.
1

OTHER MASS MEDIA INTERESTS

10. (a) Do individuals or entities holding nonattributable interests of 5% or more in the applicant have an attributable ownership interest or corporate officership or directorship in a broadcast station, newspaper or CATV system in the same area? (See Instruction 8 to Section 11.)

☐ N/A ☐ Yes ☐ No

(b) Does any member of the immediate family (i.e. husband, wife, father, mother, brother, sister, son or daughter) of an individual holding a nonattributable interest of 5% or more in the applicant have any interest in or connection with any other broadcast station, pending broadcast application, newspaper in the same area (see Section 73.3555(c)), or, in the case of a television station applicant only, a cable television system in the same area (see Section 76.501(a))?

☐ N/A ☐ Yes ☐ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving a full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station.

N/A
Exhibit No.

Section 11 - LEGAL QUALIFICATIONS (Page 4)

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

11. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction C to Section 11.)

☐ Yes ☒ No

- (b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.
DNA

12. (a) Has an adverse finding been made or an adverse final action been taken by any court or administrative body as to the applicant, any party to this application, or any non-party equity owner in the applicant in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

- (b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☒ Yes ☐ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.
5

SECTION III - FINANCIAL QUALIFICATIONS

NOTE If this application is for a change in an operating facility do not fill out this section.

1. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.

☒ Yes ☐ No

2. State the total funds you estimate are necessary to construct and operate the requested facility for three months without revenue.

\$ 143,000.00

3. Identify each source of funds, including the name, address, and telephone number of the source (and a contact person if the source is an entity), the relationship (if any) of the source to the applicant, and the amount of funds to be supplied by each source.

Source of Funds (Name and Address)	Telephone Number	Relationship	Amount
Leslie E. Gradick, Jr. 32 Saddle Mountain Road Rome, GA 30161	404-234-7730	Father	\$ 150,000.00

Section IV-A - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No.
3

Section IV-B - INTEGRATION STATEMENT

Attach as an Exhibit the information required in 1. and 2. below.

Exhibit No.
4

1. List each principal of the applicant who, in the event of a grant of the application on a comparative basis proposes to participate in the management of the proposed facility and, with respect to each such principal, state whether he or she will work full-time (minimum 40 hours per week) or part-time (minimum 20 hours per week) and briefly describe the proposed position and duties.
2. State with respect to each principal identified in response to Item 1. above, whether the applicant will claim qualitative credit for any of the following enhancement factors:
 - (a) Minority Status
 - (b) Past Local Residence
If Yes, specify whether in the community of license or service area and the corresponding dates.
 - (c) Female Status
 - (d) Broadcast Experience
If Yes, list each employer and position and corresponding dates.
 - (e) Daytime Preference

BROADCAST INTERESTS

Steven L. Gradick was a 50% general partner in Attalla Broadcasting Company, an applicant for a new FM broadcast station to operate on Channel 275A at Attalla, Alabama (File No. BPH-900119MP), but withdrew from that application, which was dismissed pursuant to a settlement.

Steven L. Gradick is President, Director and 100% shareholder of WKNG, Inc., licensee of WKNG(AM), Tallapoosa, Georgia. Mr. Gradick currently serves as the General Manager of WKNG(AM).

Steven L. Gradick is the permittee of WCKS(FM), Fruithurst, Alabama.

Steven L. Gradick is an applicant for a new FM station to operate on Channel 251A at Valley, Alabama, which has been designated for hearing in MM Docket No. 91-289. The parties to the Valley, Alabama proceeding have filed a settlement agreement, which contemplates the dismissal of Mr Graddick's application.

In the event his instant application is granted, Mr. Gradick will divest all interest and connection with WKNG(AM) and WCKS(FM) prior to commencement of program tests on the new Bowdon, Georgia, FM station.

INTERESTS OF RELATED PARTIES

Jean M. Gradick, mother of Steven L. Gradick, is currently employed as Sales Coordinator at WKNG(AM), Tallapoosa, Georgia. She holds no ownership interest in WKNG(AM).

Jean M. Gradick is an applicant for a new FM broadcast station to operate on Channel 237A at Coosa, Georgia, which application has been assigned the File No. BPH-900226MD.

Leslie E. Gradick, father of Steven L. Gradick, is an applicant for a new FM broadcast station to operate on Channel 271A at Bolingbroke, Georgia, which application has been assigned the File No. BPH-900530MG.

EXHIBIT NO. 3

PROGRAMMING STATEMENT

The Applicant proposes a music programming format.

The Applicant will provide public affairs programming, which will be designed to be responsive to the ascertained needs and interests of the community of license.

INTEGRATION STATEMENT

Steven L. Gradick will be integrated into the management and operation of the proposed station on a fulltime (minimum 40 hours per week), permanent basis in the role of General Manager. His duties will include supervision of all phases of station operation, including overall supervision of the performance of all station employees in their assigned duties. All management level employees will report directly to him. His duties will also include overseeing the continuing ascertainment of community needs and interests and formulating responsive programming to meet those needs and interests; formulating station policy and assuring station compliance with Commission's Rules and Regulations.

Mr. Gradick will claim qualitative credit for: his proposed future residence in the community of license and his broadcast experience, including the following positions:

1987 - present	WKNG(AM), Tallapoosa, GA General Manager
1984 - 1987	WIYN(AM), Rome, GA News Director/Reporter

EXHIBIT NO. 5

PENDING PROCEEDINGS

On December 19, 1988, James M. Carlisle ("Carlisle"), Steven L. Gradick's former partner, who was involuntarily removed from the ownership of WKNG by Judge's Order in the Superior Court of Haralson County, State of Georgia on November 4, 1987, filed suit in United States District Court for the Northern District of Georgia, Rome Division, claiming civil conspiracy Civil Action 4:88-CV-312-HLM. The Defendants were Leslie E. Gradick and Steven L. Gradick. On January 7, 1991, this suit was dismissed by Judge's Order; however, Carlisle appealed the Judge's ruling on February 5, 1991.

In addition, on May 28, 1991, Carlisle filed a complaint, James M. Carlisle vs. Steven L. Gradick, an Individual and Steven L. Gradick, as President of WKNG, Inc., alleging defamation in the Superior Court of Haralson County in the state of Georgia, Civil Action No. 91-291.

ORIGINAL

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

Steven L. Gradick

Call letters (if issued)

Is this application being filed in response to a window? ☒ Yes ☐ NoIf Yes, specify closing date: October 31, 1991

Purpose of Application: (check appropriate box(es))

☒ Construct a new (main) facility☐ Construct a new auxiliary facility☐ Modify existing construction permit for main facility☐ Modify existing construction permit for auxiliary facility☐ Modify licensed main facility☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height☐ Effective radiated power☐ Antenna height above average terrain☐ Frequency☐ Antenna location☐ Class☐ Main Studio location☐ Other (Summarize briefly)

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
288	Bowdon	Carroll	GA

Class (check only one box below)

☒ A ☐ B1 ☐ B ☐ C3☐ C2 ☐ C1 ☐ C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark. 1.0 mile (1.6 km) NE of Graham in Randolph Co., AL

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude				Longitude			
	°	'	"		°	'	"
	33	28	06		85	18	30

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both.

N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
N/ADate October 17, 1991 Office where filed Southern Regional Office

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>None</u>		
(b)		

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 314 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 91 meters(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 405 meters

(b) Height of radiation center: (to the nearest meter) H - Horizontal; V - Vertical

(1) above ground 87 meters (H)87 meters (V)(2) above mean sea level [(a)(1) + (b)(1)] 401 meters (H)401 meters (V)(3) above average terrain 100 meters (H)100 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
Tech.

9. Effective Radiated Power:

(a) ERP in the horizontal plane

6.0 kw (H*) 6.0 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.
N/A kw (H*) kw (V*)

*Polarization

SECTION V-B -- FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.
N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.
N/A

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
N/A

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

☒ Yes ☐ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

N/A ☐ Yes ☐ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.
N/A

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
N/A

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
N/A

- (1) Protected and interfering contours, in all directions (360), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.
Tech.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
Tech.

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
Tech.

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 2,509 sq. km.

Population 62,245

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC)

☐ Other *(briefly summarize)*

SECTION V-8 - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
33 *	110	17.1	29.6
0	81	14.4	25.6
45	108	16.9	29.4
90	103	16.4	28.6
135	84	14.7	26.1
180	67	13.2	23.6
225	135	19.0	32.4
270	109	17.0	29.4
315	110	17.1	29.5

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement/(See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No


If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.
N/A

If No, explain briefly why not. Categorically excluded per 47 CFR 1.1306.
See Technical Narrative.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
David E. Dickmann	Technical Consultant
Signature	Address (Include ZIP Code)
	du Treil, Lundin & Rackley, Inc. 1019 19th Street, N.W., 3rd Floor Washington, D.C. 20036
Date	Telephone No. (Include Area Code)
October 17, 1991	(202) 223-6700

du Treil, Lundin & Rackley, Inc.

A Subsidiary of A. D. Ring, P. C.

**TECHNICAL EXHIBIT
APPLICATION FOR FM CONSTRUCTION PERMIT
STEVEN L. GRADICK
BOWDON, GEORGIA**

October 17, 1991

CH 288A 6 KW 100 M

TECHNICAL EXHIBIT
APPLICATION FOR FM CONSTRUCTION PERMIT
STEVEN L. GRADICK
BOWDON, GEORGIA
CH 288A 6 KW 100 M

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TECHNICAL EXHIBIT
APPLICATION FOR FM CONSTRUCTION PERMIT
STEVEN L. GRADICK
BOWDON, GEORGIA
CH 288A 6 KW 100 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared on behalf of Steven L. Gradick, applicant for a new FM station on channel 288A at Bowdon, Georgia. The instant application is filed in response to the filing window (closes October 31, 1991) specified in Mass Media Docket No. 90-309 regarding allotment of channel 288A to Bowdon, Georgia. By means of this application, the applicant proposes to construct a new tower and transmit from that tower on channel 288A with effective radiated power of 6.0 kilowatts and antenna height above average terrain of 100 meters.

The proposal would not be subject to environmental processing in accordance with 47 CFR 1.1306. The Federal Aviation Administration has been notified of the proposed construction. The proposal conforms with all applicable rules and regulations of the Federal Communications Commission. Specifications for the proposed operation are included herein as Figure 1.

Proposed Transmitter Location

The proposed transmitting facility will consist of a 3-bay FM antenna side-mounted on a uniform cross-section, guyed tower located approximately 1.6 kilometers

(1.0 mile) northeast of Graham in Randolph County, Alabama. The location is uniquely described by the following geographic coordinates, which were scaled from a 7.5 minute U.S.G.S. quadrangle map entitled "Graham, ALA.-GA.":

33° 28' 06" North Latitude

85° 18' 30" West Longitude.

A map showing the transmitter location is included herein as Figure 2. A sketch showing the proposed antenna and supporting structure is included herein as Figure 3.

Protection for FCC Monitoring Station

The FCC Monitoring Station at Power Springs, Georgia is calculated to be 69.6 kilometers from the proposed site. In accordance with 47 CFR 73.1030(c), consideration was given to the potential for interference to the monitoring station as a result of the proposed facility. The predicted field at the Power Springs Monitoring Station reference coordinates due to the proposed facility is well below 10 mV/m, and, based on the criteria of 47 CFR 73.1030(c)(3)(i)-(iv), consultation with the Field Operations Bureau is not deemed necessary.

Allocation Considerations

The proposed site meets the minimum distance separation requirements of 47 CFR 73.207 with respect to all existing and proposed stations and allotments. An allocation study showing the actual and required

separations from pertinent stations and allotments is included as Figure 6.

Coverage Contours

The predicted coverage contours were calculated in accordance with the provisions of 47 CFR 73.313. In accordance with current FCC practice, no consideration was given to terrain roughness correction factors.

The average terrain elevations from 3 to 16 kilometers from the proposed site along the standard eight radials evenly spaced at 45-degree intervals, and a ninth radial through Bowdon, were determined using the National Geophysical Data Center's 30-second terrain database.

The antenna radiation center heights above average terrain in the individual radial directions and the effective radiated power were used in conjunction with the F(50,50) curves of 47 CFR 73.333 (Figure 1) to determine distances to the 70 dBu and 60 dBu contours. Figure 4 is a tabulation of average elevations and distances to coverage contours. Figure 5 is a map showing the predicted coverage contours.

As the map in Figure 5 shows, the 70 dBu contour will encompass all of Bowdon. The Bowdon city limits shown were obtained from a 1991 map of Bowdon prepared for the Bowdon Community Pride Committee by Southern Engineering, Glen, Mississippi. The proposed facilities, therefore, comply with 47 CFR 73.315.

There appear to be no other FM or TV transmitters within 10 kilometers of the proposed facility, and no receiver-induced intermodulation interference is expected. There are some houses within the blanketing contour, which extends approximately 1.0 kilometer from the proposed transmitter. Although no problems are expected, the applicant recognizes its responsibility to remedy complaints of blanketing interference as required by 47 CFR 73.318 and to protect existing facilities in accordance with applicable rules.

Population and Area

The population to be served within the predicted 60 dBu contour was determined by a computer program which adds the populations of census districts having centroids within the contour. The 1990 census was employed. The land area within the 60 dBu contour was determined using a root mean squared method of calculation. The predicted 60 dBu contour encompasses 2,509 square kilometers in which an estimated 62,245 persons reside.

Environmental Considerations

The proposed facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." Using Equation (4) on Page 8 of this Bulletin, the "worst-case" power density at ground level attributable to the proposed FM operation is approximately 5.3 percent of the ANSI standard, well within the ANSI guidelines.

In order to restrict access to the tower, the applicant proposes to install a chain link fence about the tower base. The applicant verifies that the fence will be kept locked and that appropriate warning signs will be posted. Should it become necessary for workers or other authorized personnel to enter the restricted area and climb the tower, the applicant verifies that appropriate measures will be taken to assure that no exposure to radiofrequency radiation in excess of the ANSI radiofrequency protection guides will occur.

The proposal is categorically excluded from environmental processing, as it appears to meet all of the criteria for such an exclusion in 47 CFR 1.1306. The proposal does not involve construction at a site location specified under 47 CFR 1.1307(a)(1)-(7), is not expected to require high intensity lighting under 47 CFR 1.1307(a)(8), and the potential for human exposure to radiofrequency radiation is predicted to be within the standards specified in 47 CFR 1.1307(b).

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